

What is claimed is:

1. A multi-operational amplifier system comprising:
a plurality of operational amplifiers; and
a controller to configure the plurality of operational amplifiers.
2. The multi-operational amplifier system of claim 1 wherein an input of one of said plurality of operational amplifiers is coupled to an input of at least one other of said plurality of operational amplifiers.
3. The multi-operational amplifier system of claim 1 wherein each of said plurality of operational amplifiers having a first input, the first input of one of said plurality of operational amplifiers being coupled to a first node, the first inputs of at least two others of said plurality of operational amplifiers being coupled to a second node, the second node being different than said first node.
4. The multi-operational amplifier system of claim 1 wherein each operational amplifier includes a compensation network, and an output of one of said plurality of operational amplifiers is coupled to an input of a compensation network of at least one other of said plurality of operational amplifiers.
5. A multi-operational amplifier system comprising:
a first operational amplifier having an input formed of a NZ NMOS transistor; and
a second operational amplifier including an input formed of an N-type NMOS transistor.
6. A multi-operational amplifier system comprising:
a first operational amplifier having an input formed of an NZ NMOS transistor; and
a second operational amplifier including an input formed of a PMOS transistor.
7. The multi-operational amplifier system of claim 6 further comprising:
a third operational amplifier having an input formed of a N-type NMOS transistor.

8. A multi-operational amplifier system comprising a first operational amplifier having an input formed of a NZ NMOS transistor and of an n-type NMOS transistor.
9. A multi-operational amplifier system comprising:
a plurality of operational amplifiers, one of said operational amplifiers having a fixed bias, another of said operational amplifiers having an adaptively switchable bias; and
a controller to configure the plurality of operational amplifiers and to select the said bias.
10. A multi-operational amplifier system comprising:
a plurality of operational amplifiers, one of said operational amplifiers having a switchable bias, another of said operational amplifiers having a switchable bias; and
a controller to configure the plurality of operational amplifiers and to select said bias.
11. A multi-operational amplifier system comprising:
a plurality of operational amplifiers, one of said operational amplifiers having a switchable bias, another of said operational amplifiers having an adaptively switchable bias; and
a controller to configure the plurality of operational amplifiers to select said bias.
12. The multi-operational amplifier system of claim 11 wherein said another operational amplifier adaptively switches bias based on the switchable bias of said one operational amplifier.
13. The multi-operational amplifier system of claim 11 wherein said another operational amplifier selectively switches a compensation network based on the compensation usage of said one operational amplifier.
14. A multi-operational amplifier system comprising:
a first operational amplifier configured as an output transconductance amplifier;
a second operational amplifier configured as an output transconductance amplifier; and
a third operational amplifier configured as a folded cascode operational amplifier.

15. The multi-operational amplifier system of claim 14 wherein said first operational amplifier includes a PMOS input differential pair.
16. The multi-operational amplifier system of claim 14 wherein said second operational amplifier includes an NZ NMOS input differential pair.
17. The multi-operational amplifier system of claim 14 wherein said third operational amplifier includes an N-type NMOS input differential pair.
18. The multi-operational amplifier system of claim 14 wherein the first, second, and third operational amplifiers each comprise an output stage that includes a source follower.
19. A multi-operational amplifier system comprising:
a first, second, and third operational amplifiers each configured as an output transconductance amplifier.
20. The multi-operational amplifier system of claim 19 wherein the first operational amplifier includes a PMOS input differential pair.
21. The multi-operational amplifier system of claim 20 wherein said second operational amplifier includes a NZ NMOS input differential pair.
22. The multi-operational amplifier system of claim 20 wherein each of the first, second and third operational amplifiers includes a configurable compensation network.
23. The multi-operational amplifier system of claim 22 wherein the third operational amplifier includes a N-type NMOS input differential pair.
24. A multi-operational amplifier system comprising:

a plurality of operational amplifiers; and
a configuration circuit to configure the plurality of operational amplifiers, said
configurable circuit including one of non-volatile fuses, digital control signals, registers, or
metallization interconnects.